



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/050,370	01/15/2002	Dennis J. Michaelson	STES 105	7535
21658 7590 05/02/2007 DYKAS, SHAVER & NIPPER, LLP P.O. BOX 877 BOISE, ID 83701-0877			EXAMINER CHORBAJI, MONZER R	
			ART UNIT 1744	PAPER NUMBER
			MAIL DATE 05/02/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/050,370

Applicant(s)

MICHAELSON ET AL.

Examiner

MONZER R. CHORBAJI

Art Unit

1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 February 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1 and 25-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 25-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- ☐ Notice of Informal Patent Application
- ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

**This final action is in response to the amendment/arguments received on 02/20/2007**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 25 and 30-31 are rejected under 35 U.S.C. 102(b) as being anticipated by Wittrock et al (U.S.P.N. 5,482,067).

Regarding claim 25, Wittrock discloses a double hinge (figure 2:40, 14 and 12) for connecting flat two-dimensional top cover (figure 2:12 and unlabeled length and width of the top cover in figure 2) to a cassette (figure 2:14) having opposing side bottom and end walls and two latch assemblies (figure 1:72 and col.5, lines 59-61) where each latch assembly (figure 1:72) has its own latch detent (unlabeled region parts of opposite walls 16 and 24 in figure 3 where the latch detents snap over as taught in column 5, lines 59-61). The double hinge includes a first hinge (figure 2:62) pivotally to side wall (unlabeled end wall of cassette 14 in figure 2) and also pivotally connected to hinge plate (figure 2:42), hinge plate has a length and a width (unlabeled length and width of hinge plate 42 in figure 2), hinge plate connected between first and second hinges (figure 2:62, 42 and 60) second hinge pivotally connected to hinge plate (figure 2:60 and 42) and to the top cover (figure 2:60 and 12). Wittrock teaches that the hinge allows the top cover to lay flat upon the same surface that the bottom wall also rests

Art Unit: 1744

upon (figure 2:14 and 12). In addition, Wittrock discloses two positions where the closed position is shown in figure 4 and the first position (open position) is displayed in figure 2. In this first position, the first hinge and the second hinge are in the same vertical plane upon rotating figure 2 of Wittrock. Furthermore, Wittrock teaches that the top is folded beneath the bottom of the container (col.5, lines 41-45). See MPEP 2114 where the manner of operating the device does not differentiate apparatus claim from the prior art.

Regarding claims 30-31, Wittrock double hinge (figure 2:42) assembly is capable of making contact with portions of either bottom (figure 2:14) or top (figure 2:12) upon full rotation of either of first hinge (figure 2:62) or second hinge (figure 2:60) where the top part is folded underneath the bottom part (col.5, lines 41-45). See MPEP 2114.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

5. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

6. Claims 1 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wittrock et al (U.S.P.N. 5,482,067) in view of Dabich (U.S.P.N. 4,535,908).

Regarding claim 1, Wittrock discloses a double hinge (figure 2:40, 14 and 12) for connecting flat two-dimensional top cover (figure 2:12 and unlabeled length and width of the top cover in figure 2) to a sterilization cassette (figure 2:14) having opposing side bottom and end walls and two latch assemblies (figure 1:72 and col.5, lines 59-61) where each latch assembly (figure 1:72) has its own latch detent (unlabeled region parts of opposite walls 16 and 24 in figure 3 where the latch detents snap over as taught in column 5, lines 59-61). The double hinge includes a first horizontally oriented hinge portion (figure 2:62) interconnected to the end wall (unlabeled end wall of cassette 14 in figure 2) and the top cover (figure 2:12, 62 and 42) dividing the end wall (unlabeled end wall of cassette 14 in figure 2) into upper (figure 2, unlabeled upper part of bottom 14) and lower (figure 2, unlabeled lower part of bottom 14) halves and a second hinge portion (figure 2:60) oriented in juxtaposed relationship to the first hinge (figure 4 where

Art Unit: 1744

two unlabeled hinges are in juxtaposed relationship to one another). Wittrock top cover (figure 2:12) is connected to the cassette (figure 2:14) by a double hinge assembly (figure 2:62 and 60). Wittrock teaches that the hinge allows the top cover to lay flat upon the same surface that the bottom wall also rests upon (figure 2:14 and 12) or for the top cover to be folded beneath the bottom wall of the cassette (col.5, lines 41-44). Wittrock fails to teach that the second hinge divides the top cover into two interconnected pieces. Dabich, which is in the art of designing lids, teaches the use of a double hinge lids where the second hinge (figure 6:30) divide the top cover into two interconnected pieces (figure 6:18 and 20). Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to further modify Wittrock hinge structure by including an additional double hinge closing mechanism that provides two interconnected lids as taught by Dabich since double hinge mechanism results in opening the inner lid with one hand by most users (col.4, lines 27-33).

With regard to the added feature that the top cover piece attached to the end wall be of the same width and length of the end wall, the disclosure does not provide a criticality for this feature. The disclosure as a whole teaches that the advantage of having double hinge is to enable folding the top cover beneath the bottom container. This mechanism is disclosed in Wittrock (col.5, lines 41-44). It is further noted that it is known in the art of designing hinges to vary size of the hinge plates. In addition, see MPEP 2114 and MPEP 2144.04, IV.

Regarding claim 26, Wittrock fails to teach that the hinge plate of the two-hinge assembly is a portion of the top of the container. Dabich teaches the use of a double

Art Unit: 1744

hinge lids where the second hinge (figure 6:30) divides the top cover into two interconnected pieces (figure 6:18 and 20) where piece 18 in figure 2 represents a hinge plate, which is part of the top. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to further modify Wittrock hinge structure by including an additional double hinge closing mechanism that provides two interconnected lids as taught by Dabich since double hinge mechanism results in opening the inner lid with one hand by most users (col.4, lines 27-33).

7. Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wittrock et al (U.S.P.N. 5,482,067) as applied to claim 25 and further in view of Kirksey (U.S.P.N. 4,576,281).

Wittrock fails to teach that the length of the hinge plate of the two-hinge assembly is equal in length of one of the opposing sides. Kirksey, which is in the art of designing hinged closing/opening structures, teaches that the hinge plate (figure 1:36) is equal in length to the unlabeled opposite front end of wall 28 in figure 1). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to fully lengthen the hinge plate of Wittrock from one end of the container to the other as taught by Kirksey (figure 2:36) so that better alignment of the top and bottom parts is obtained during the handling of container.

8. Claims 28-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wittrock et al (U.S.P.N. 5,482,067) as applied to claim 25 and further in view of DeCoster (U.S.P.N. 4,723,693).

Wittrock fails to teach that the width of the hinge plate of the two-hinge assembly is equal to the width of one of the opposing sides or that the width of the hinge plate is equal to one half of the width of one of the opposing sides. DeCoster, which is in the art of designing double hinging closures, teaches that the width of hinge plate 54 in figure 4 is equal to the width of the bottom of container 12 in figure 1. This bottom is not shown in the drawings. Depending on the depth of the bottom of the container (figure 1:12), the width of the hinge plate is capable of being equal to one half of the width of this bottom. As a result, it would have been obvious to one of ordinary skill in the art at the time the invention was made to shorten the width of Wittrock's hinge plate to the same dimension as the container's width as taught by DeCoster so that Wittrock container can handle much smaller medical and dental items.

With regard to the added feature that the width of the hinge plate is equal to the width of is equal to one half the width of one of the opposing sides, the disclosure does not provide a criticality for this feature. The disclosure as a whole teaches that the advantage of having double hinge is to enable folding the top cover beneath the bottom container. This mechanism is disclosed in Wittrock (col.5, lines 41-44). It is further noted that it is known in the art of designing hinges to vary size of the hinge plates. In addition, see MPEP 2114 and MPEP 2144.04, IV.

### ***Response to Arguments***

9. Applicant's arguments filed on 02/20/2007 have been fully considered but they are not persuasive.



On pages 6-9 of the Remarks/Arguments section, Applicant argues that Wittrock does not teach having at least two latch assemblies where each latch assembly has one latch detent, that Dabich is nonanalogous reference, that Dabich double-hinge assembly does not contain any latches, that Kirksey does not teach using two latch assemblies where each latch assembly has its own latch detent and that DeCoster does not teach any latch assemblies.

Wittrock does teach two latch assemblies (figure 1:72 and col.5, lines 59-61) where each latch assembly (figure 1:72) has its own latch detent (unlabeled region parts of opposite walls 16 and 24 in figure 3 where the latch detents snap over as taught in column 5, lines 59-61). Furthermore, both the instant claims and Dabich are in the art of designing double hinge closing structures and both are concerned with building such a closure device. Clearly, Dabich is analogous art and that the feature of having two latch assemblies with each having its own latch detent is taught in Wittrock and neither in Kirksey nor DeCoster.

### ***Conclusion***

10. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

11. A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not

Art Unit: 1744

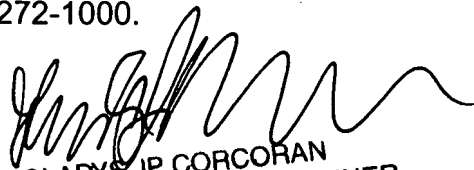
mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MONZER R. CHORBAJI whose telephone number is (571) 272-1271. The examiner can normally be reached on M-F 9:00-5:30.

13. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GLADYS J. CORCORAN can be reached on (571) 272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

14. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MRC

  
GLADYS JP CORCORAN  
SUPERVISORY PATENT EXAMINER